

Attorney Docket No.: UMD-0033
Inventors: Rameshwar and Gascon
Serial No.: 10/628,066
Filing Date: July 25, 2003
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REMARKS

Claims 1, 2, 6, 12-14, 18, and 20 are pending in this application and have been subjected to a Restriction Requirement under 35 U.S.C. §121. It is suggested that the application contains claims directed to the patentably distinct species of SEQ ID NO:1 or SEQ ID NO:14. Applicants are required under 35 U.S.C. 121 to elect a single disclosed species. Applicants respectfully traverse this restriction requirement and respectfully request reconsideration for the following reasons.

Applicants respectfully point out that SEQ ID NO:14 is a variant of SEQ ID NO:1. As shown below, SEQ ID NO:1 has additional nucleotides on the 5' and 3' ends which are not present in SEQ ID NO:14.

SEQ ID NO:1	CTATAGGGCACGCGTGGTCGACGGCCGGCTGGTAAATCCCCTTCTCCAAAATGTAA	60
SEQ ID NO:14	-----CGACGGCCGGCTGGTAAATCCCCTTCTCCAAAATGTAA	42

SEQ ID NO:1	ATAAATCTGCTCCATCTTCTAAATACTATGGGACTAAACATCCTTTTGTATGCTAAG	120
SEQ ID NO:14	ATAAATCTGCTCCATCTTCTAAATACTATGGGACTAAACATCCTTTTGTATGCTAAG	102

SEQ ID NO:1	GAAAAGCCAGTATTCGCGTTGATTTAGAAGAGGGATGTTCTGGTTATAGAACGATGCTGT	180
SEQ ID NO:14	GAAAAGCCAGTATTCGCGTTGATTTAGAAGAGGGATGTTCTGGTTATAGAACGATGCTGT	162

SEQ ID NO:1	GTCTCAGAAACACTTAAATACTATTAAAGCTAGAAATAGAAGGAAAATAATGCTTCCCCG	240
SEQ ID NO:14	GTCTCAGAAACACTTAAATACTATTAAAGCTAGAAATAGAAGGAAAATAATGCTTCCCCG	222

SEQ ID NO:1	CATCTCCCCTCAAGTGTAGTCCTCTTTTTTTAGCCTGATTCCGACGAAATGTCTGAATG	300
SEQ ID NO:14	CATCTCCCCTCAAGTGTAGTCCTCTTTTTTTAGCCTGATTCCGACGAAATGTCTGAATG	282

SEQ ID NO:1	CCTACAGTTATTTGGCCATCCTGAAAAGTGCAACTTATCCTGACGTCTCGAGGGACGGAA	360
SEQ ID NO:14	CCTACAGTTATTTGGCCATCCTGAAAAGTGCAACTTATCCTGACGTCTCGAGGGACGGAA	342

SEQ ID NO:1	AAGTTACCGAAGTCCAAGGAATGAGTCACTTTGCTCAAATTTGATGAGTAATATCAGGTG	420
SEQ ID NO:14	AAGTTACCGAAGTCCAAGGAATGAGTCACTTTGCTCAAATTTGATGAGTAATATCAGGTG	402

SEQ ID NO:1	TCATGAAACCCAGTTTTCGAAGGAGAGGGGAGGGGCGTCAGATCTGCAGACGGAAGCAGG	480
SEQ ID NO:14	TCATGAAACCCAGTTTTCGAAGGAGAGGGGAGGGGCGTCAGATCTGCAGACGGAAGCAGG	462

SEQ ID NO:1	CCGCTCCGGATTGGATGGCGAGACCTCGATTTTCTTAAATTTGCGTCATTTAGAACCCAA	540
SEQ ID NO:14	CCGCTCCGGATTGGATGGCGAGACCTCGATTTTCTTAAATTTGCGTCATTTAGAACCCAA	522

SEQ ID NO:1	TTGGGTCCAGATGTTATGGGCATCGACGAGTTACCGTCTCGGAACTCTCAATCACGCAA	600

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SEQ ID NO:14      TTGGGTCCAGATGTTATGGGCATCGACGAGTTACCGTCTCGGAACTCTCAATCAGCAA 582
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SEQ ID NO:1      GCGAAAGGAGAGGAGGCGGCTAATTAAATATTGAGCAGAAAGTCGCGTGGGAGAATGTC 660
SEQ ID NO:14      GCGAAAGGAGAGGAGGCGGCTAATTAAATATTGAGCAGAAAGTCGCGTGGGAGAATGTC 642
*****

SEQ ID NO:1      ACGTGGGTCTGGAGGCTCAAGGAGGCTGGGATAAATACCGCAAGGCACTGAGCAGGCGAA 720
SEQ ID NO:14      ACGTGGGTCTGGAGGCTCAAGGAGGCTGGGATAAATACCGCAAGGCACTGAGCAGGCGAA 702
*****

SEQ ID NO:1      AGAGCGCGCTCGGACCTCCTTTCCCGGCGGCAGCTACCGAGAGTGCGGAGCGACCAGCGT 780
SEQ ID NO:14      AGAGCGCGCTCGGACCTCCTTTCCCGGCGGCAGCTACCGAGAGTGCGGAGCGACCAGCGT 762
*****

SEQ ID NO:1      GCGCTCGGAGAACCAGAGAACTCAGCACCCCGCGGGACTGTCCGTCGCAGTAAGTGCCCG 840
SEQ ID NO:14      GCGCTCGGAGAACCAGAGAACTCAGCACCCCGCGGGACTGTCCGTCGCAGTAAGTGCCCG 822
*****

SEQ ID NO:1      CGCGGTGCTGGCCGCGGCTGCCCGGGTCATCCACCCCGCATCTGTCCGAGGTGGCCGCG 900
SEQ ID NO:14      CGCGGTGCTGGCCGCGGCTGCCCGGGTCATCCACCCCGCATCTGTCCGAGGTGGCCGCG 882
*****

SEQ ID NO:1      CTGGGGGCGCCGCTGCGGCGAGGGACAGTGGGGAGACTGGCTTCCCAAACGCCAACGCC 960
SEQ ID NO:14      CTGGGGGCGCCGCTGCGGCGAGGGACAGTGGGGAGACTGGCTTCCCAAACGCCAACGCC 942
*****

SEQ ID NO:1      CTCTTTGTCTTCCACCTGCAGAGTTTCTGGTTTGAAGGTGTGGGTGGTGGGTAGGGG 1020
SEQ ID NO:14      CTCTTTGTCTTCCACCTGCAGAGTTTCTGGTTTGAAGGTGTGGGTGGTGGGTAGGGG 1002
*****

SEQ ID NO:1      GCTGGGGGAGCTGGGATTGAGGAGAGAGGGTTGGAGAATCTTTGGGACGCGATTCTCT 1080
SEQ ID NO:14      GCTGGGGGAGCTGGGATTGAGGAGAGAGGGTTGGAGAATCTTTGGGACGCGATTCTCT 1062
*****

SEQ ID NO:1      CGCCTAACCGGTACAGGTGAGACTTCAGTCCTTATGTTTTTGATCTTGGTTCATCCGTTG 1140
SEQ ID NO:14      CGCCTAACCGGTACAGGTGAGACTTCAGTCCTTATGTTTTTGATCTTGGTTCATCCGTTG 1122
*****

SEQ ID NO:1      TGGGGCAGAAAATTCTGTGCTTTAACTCTTGGATAACCACCCCTAATAGATACATTATT 1200
SEQ ID NO:14      TGGGGCAGAAAATTCTGTGCTTTAACTCTTGGATAACCACCCCTAATAGATACATTATT 1182
*****

SEQ ID NO:1      TCTCTCTTTGGTGTCTTCTCCTCCTACCCCTTCCCAGAAATCCGACATGAAATCCTCGT 1260
SEQ ID NO:14      TCTCTCTTTGGTGTCTTCTCCTCCTACCCCTTCCCAGAAATCCGAC----- 1228
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SEQ ID NO:1      GGCCCTTGGCATCTTTTCTTGACGG 1286
SEQ ID NO:14      -----

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Accordingly, because Applicants have not claimed more than a reasonable number of species and the species are closely related, there would be no additional burden incurred by the Examiner in this case to search and examine both SEQ ID NO:1 and SEQ ID NO:14. In view of Applicants' remarks, it is respectfully requested that this species election be reconsidered and SEQ ID

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NO:1 and SEQ ID NO:14 be searched and examined together in the prosecution of the instant application.

However, in an earnest effort to be completely responsive, Applicant hereby elects to prosecute an isolated nucleic acid molecule comprising SEQ ID NO:14, with traverse.

Respectfully submitted,



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